

RANDOLPH, TONYA

From: RANDOLPH, TONYA
Sent: Monday, April 06, 2015 8:57 AM
Subject: FW: West Vermont Street Updated Key Findings Table
Attachments: February 2015 Key Findngs Table Corrected.doc; West Vermont Street WATER SDG E5AW8 TABLES FOR ALL Detected CHLORINATED SOLVENTS Corrected.docx

From: MCINTIRE, KRISTY
Sent: Thursday, March 26, 2015 3:12 PM
To: JAWORSKI, MARK
Subject: West Vermon Street Updated Key Findings Table

Mark,

I have attached the updated Key Findings Table

Kristy M. McIntire
Environmental Chemist
Indiana Department of Environmental Management
100 North Senate Avenue
MC 66-20 IGCN 1101
Indianapolis, Indiana 46204-2251
(317) 234-1261

West Vermont Street WATER SDG E5AW8 KEY FINDINGS LIST FOR CHLORINATED COMPOUNDS

EPA LOCATION	EPA CLP#	Sample Type	Date	Hazardous Substance	Hazardous Substance Concentration (Adjusted Concentration) µg/L	Contract Required Quantitation Limit (CRQL) µg/L	Reference
WV-MW-2A	E5AX0	Water	10/29/14	Trans-1,2-DCE Cis-1,2-DCE	2.4 18	0.5 0.5	Ref 92: Pg. 19-20, 90, 124-126 Ref 92: Pg. 19-20, 90, 124-126
WV-MW-15	E5AX1	Water	10/29/14	Trans-1,2-DCE	23J- (23)	5	Ref 92: Pg. 21-22, 90, 127-129
WV-MW-15	E5AX1 DL	Water	10/29/14	VC Cis-1,2-DCE	3,500 J+ (350) 1,900 J+ (190)	50 50	Ref 92: Pg. 23-24, 90, 130-132 Ref 92: Pg. 23-24, 90, 130-132
WV-MW-14	E5AX2	Water	10/29/14	Trans-1,2-DCE	1.3	0.5	Ref 92: Pg. 25-26, 90, 133-135
WV-MW-14	E5AX2 DL	Water	10/29/14	VC Cis-1,2-DCE	810 J+ (81) 69	25 25	Ref 92: Pg. 27-28, 90, 136-138 Ref 92: Pg. 27-28, 90, 136-138
WV-MW-2B	E5AX3	Water	10/30/14	Trans-1,2-DCE	0.90	0.5	Ref 92: Pg. 29-30, 90, 139-141
WV-MW-2B	E5AX3 DL	Water	10/30/14	VC Cis-1,2-DCE	8.2 J+ (0.82) 16	0.5 0.5	Ref 92: Pg. 31-32, 90, 142 Ref 92: Pg. 31-32, 90, 142-144
WV-MW-2B-Dup	E5AX4	Water	10/30/14	VC Trans-1,2-DCE Cis-1,2-DCE	7.3 0.85 13	0.5 0.5 0.5	Ref 92: Pg. 33-34, 90, 145-147 Ref 92: Pg. 33-34, 90, 145-147 Ref 92: Pg. 33-34, 90, 145-147
WV-MW-2C	E5AX5	Water	10/30/14	VC Cis-1,2-DCE	5.4 0.83	0.5 0.83	Ref 92: Pg.35-36, 90, 148-150 Ref 92: Pg. 35-36, 90, 148-150
WV-MW-1B	E5AY2 DL	Water	10/30/14	VC	32J+(3.2)	0.5	Ref 92: Pg. 43-44, 91, 160-162
WV-MW-1B Dup	E5AY3 DL	Water	10/30/14	VC	30J+ (3.0)	0.5	Ref 92: Pg. 51-52, 91, 170-172
WV-MW-1C	E5AY4	Water	10/30/14	VC	12J+ (1.2)	0.5	Ref 92: Pg. 53-54, 91, 173-175
WV-AQ-01	E5AZ1 DL	Water	10/31/14	VC Cis-1,2-DCE	6.9 J+ (0.69) 21J+ (2.1)	2.5 2.5	Ref 92: Pg. 71-72, 91, 200-202 Ref 92: Pg. 71-72, 91, 200-202

J+- Sample E5AY4 vinyl chloride was analyzed after a sample with a compound exceeding the calibration range and no intervening instrument blank. Detections of these compounds are

estimated with unknown bias (as they may be results of or supplemented by carryover) and adjusted according to procedures described in EPA 540-F-94-028, Using Qualified Data to Document an Observed Release and Observed Contamination, November 1996.

J- - Sample E5AX1 was analyzed outside the holding time and results are estimated with a low bias. Results for release samples require no adjustment according to procedures described in EPA 540-F-94-028, Using Qualified Data to Document an Observed Release and Observed Contamination, November 1996.

J+- Surrogate recoveries were out of control, high in samples E5AX1, E5AX2DL, E5AX3RE, E5AY2DL, E5AY3DL, and E5AZ1DL and associated compounds are qualified bias high. Results were adjusted according to procedures described in EPA 540-F-94-028, Using Qualified Data to Document an Observed Release and Observed Contamination, November 1996.

RE- Results from rerun of sample E5AX3

DL - Concentrations exceeded the instrument's calibration range. Samples were reanalyzed using dilution factor and the results and CRQL are reported from diluted analysis.

West Vermont Street WATER SDG E5AS8 KEY FINDINGS LIST FOR CHLORINATED COMPOUNDS

EPA LOCATION	EPA CLP#	Sample Type	Date	Hazardous Substance	Hazardous Substance Concentration (Adjusted Concentration) $\mu\text{g/L}$	Contract Required Quantitation Limit (CRQL) $\mu\text{g/L}$	Reference
WV-MW-3B	E5AS8 RE	Water	10/21/14	VC	8.0	0.5	Ref 90: Pg. 16-17, 35, 64-66

RE – Results from rerun of sample E5AS8

West Vermont Street WATER SDG E5AT4 KEY FINDINGS LIST FOR CHLORINATED COMPOUNDS

EPA LOCATION	EPA CLP#	Sample Type	Date	Hazardous Substance	Hazardous Substance Concentration (Adjusted Concentration) $\mu\text{g/L}$	Contract Required Quantitation Limit (CRQL) $\mu\text{g/L}$	Reference
WV-MW-6A	E5AT4	Water	10/23/14	VC	47 J+ (4.7)	0.5	Ref 91: Pg. 8-9, 23, 47-49

J+ – Vinyl Chloride exceeded calibration range and sample was not reanalyzed. Result is estimated with an unknown bias and adjusted according to described in EPA 540-F-94-028, Using Qualified Data to Document an Observed Release and Observed Contamination, November 1996.

West Vermont Street WATER SDG E5AS4 KEY FINDINGS LIST FOR CHLORINATED COMPOUNDS

EPA LOCATION	EPA CLP#	Sample Type	Date	Hazardous Substance	Hazardous Substance Concentration (Adjusted Concentration) $\mu\text{g/L}$	Contract Required Quantitation Limit (CRQL) $\mu\text{g/L}$	Reference
WV-RES-4018WVS	E5AS4	Water	10/17/14	VC	4.9 J- (4.9)	0.5	Ref 89: Pg. 11-12, 92, 140-142
WV-RES-4012COS	E5AS6 RE	Water	10/17/14	VC	1.4 J- (1.4)	0.5	Ref 89: Pg. 21-22, 92, 153-156
WV-RES-4012COS-DUP	E5AS7	Water	10/17/14	VC	4.8 J- (4.8)	0.5	Ref 89: Pg. 23-24, 92, 156-158
WV-MW-3A	E5AS9	Water	10/21/14	VC	1.7	0.5	Ref 89: Pg. 25-26, 93, 159-161
WV-MW-7A	E5AT0	Water	10/21/14	VC	18	0.5	Ref 89: Pg. 29-30, 93, 165-167
WV-MW-5C	E5AT3	Water	10/22/14	VC	13	0.5	Ref 89: Pg.35-36, 93, 174-176
WV-MW-6A	E5AT5	Water	10/23/14	VC	41	0.5	Ref 89: Pg. 37-38, 93, 177-179
WV-MW-6B	E5AT6	Water	10/23/14	VC	67	5.0	Ref 89: Pg. 41-42, 93, 183-185
WV-MW-9A	E5AT7	Water	10/23/14	Cis-1,2-DCE	4.8	0.5	Ref 89: Pg. 45-46, 93, 189-191
WV-MW-9A	E5AT7 DL	Water	10/23/14	VC	170	10	Ref 89: Pg. 47-48, 93, 192-194
WV-MW-9B	E5AT8	Water	10/23/14	VC	37	0.5	Ref 89: Pg.49-50, 94, 195-197
WV-MW-16	E5AW1	Water	10/23/14	Trans-1,2-DCE	8.8	2.5	Ref 89: Pg. 57-58, 94, 207-209
				Cis-1,2-DCE	57	2.5	Ref 89: Pg. 57-58, 94, 207-209
WV-MW-16	E5AW1 DL	Water	10/23/14	TCE	670	25	Ref 89: Pg. 59-60, 94, 210-212
WV-MW-17	E5AW2	Water	10/23/14	1,1-DCA	1.4	0.5	Ref 89: Pg. 61-62, 94, 213-215
				Trans-1,2-DCE	6.4	0.5	Ref 89: Pg. 61-62, 94, 213-215
WV-MW-17	E5AW2 DL	Water	10/23/14	Cis-1,2-DCE	29	5.0	Ref 89: Pg. 63-64, 94, 216 - 218
				TCE	100	5.0	Ref 89: Pg. 63-63, 94, 216-218
WV-MW-8A	E5AW3	Water	10/24/14	VC	19 J- (19)	2.5	Ref 89: Pg. 65-66, 94, 219 - 221
WV-MW-8A	E5AW3 DL	Water	10/24/14	Cis-1,2-DCD	290 J- (290)	25	Ref 89: Pg. 67-68, 95, 222 - 224
WV-MW-8B	E5AW4	Water	10/24/14	VC	1.4 J- (1.4)	0.5	Ref 89: Pg. 69-70, 95, 225-227
				Cis-1,2-DCE	17 J- (17)	0.5	Ref 89: Pg. 69-70, 95, 225-227

J- - Sample was analyzed outside the holding time and result is estimated with a low bias. Results for release samples require no adjustment according to procedures described in EPA 540-F-94-028, Using Qualified Data to Document an Observed Release and Observed Contamination, November 1996.

J+- Surrogate recoveries out of control, low in sample E5AS6RE and associated compounds are qualified bias low. Results required no adjustment according to procedures described in EPA 540-F-94-028, Using Qualified Data to Document an Observed Release and Observed Contamination, November 1996.

RE- Results from rerun of sample E5AS6

DL – Concentrations exceeded the instrument's calibration range. Samples were reanalyzed using dilution factor and the results and CRQL are reported from diluted analysis.

**West Vermont Street SDG E5AZ2 Key FINDINGS LIST FOR BACKGROUND
CHLORINATED COMPOUNDS**

EPA LOCATION	EPA CLP#	Sample Type	Date	Hazardous Substance **	Hazardous Substance Concentration (Adjusted Concentration) µg/L	Contract Required Quantitation Limit (CRQL) µg/L	Reference
BUJ-0068	E5AZ2	Water	11/26/14	VC	ND	0.5	Ref 94: Pg. 6-7, 31, 46-48
				Trans-1,2-DCE	ND	0.5	Ref 94: Pg. 6-7, 31, 46-48
				Cis-1,2-DCE	ND	0.5	Ref 94: Pg. 6-7, 31, 46-48
				TCE	0.37 * (ND)	0.5	Ref 94: Pg. 6-7, 31, 46-48
				1,1-DCA	ND	0.5	Ref 94: Pg. 6-7, 31, 46-48
BUJ-0069	E5AZ3	Water	11/26/14	VC	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66
				Trans-1,2-DCE	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66
				Cis-1,2-DCE	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66
				TCE	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66
				1,1-DCA	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66

*- Samples have analyte concentrations below the quantitation limit (CRQL) and detected compounds are qualified as J values. Detection below the CRQL is treated as non-quantifiable for HRS purposes. Result was adjusted to "Non-Detect" (ND) using the procedure described in EPA 540-F-94-028, *Using Qualified Data to Document an Observed Release and Observed Contamination*, November 1996

**West Vermont Street WATER SDG E5AW8 TABLE FOR ALL Detected
CHLORINATED COMPOUNDS**

EPA LOCATION	EPA CLP#	Sample Type	Date	Hazardous Substance	Hazardous Substance Concentration (Adjusted Concentration) µg/L	Contract Required Quantitation Limit (CRQL) µg/L	Reference
WV-MW-4B	E5AW8	Water	10/29/14	All Target VOCs	ND	0.5	Ref 92: Pg. 15-16, 90, 118-120
WV-MW-4A	E5AW9	Water	10/29/14	All Target VOCs	ND	0.5	Ref 92: Pg. 17-18, 90, 121-123
WV-MW-2A	E5AX0	Water	10/29/14	Trans-1,2-DCE	2.4	0.5	Ref 92: Pg. 19-20, 90, 124-126
				Cis-1,2-DCE	18	0.5	Ref 92: Pg. 19-20, 90, 124-126
WV-MW-15	E5AX1	Water	10/29/14	Trans-1,2-DCE	23 J- (23)	5	Ref 92: Pg. 21-22, 90, 127-129
				Trans-1,3-dichloropropene	1.6 J (ND)	5	Ref 92: Pg. 21-22, 90, 127-129
WV-MW-15	E5AX1 DL	Water	10/29/14	VC	3,500 J+ (350)	50	Ref 92: Pg. 23-24, 90, 130-132
				Cis-1,2-DCE	1,900 J+ (190)	50	Ref 92: Pg. 23-24, 90, 130-132
WV-MW-14	E5AX2	Water	10/29/14	Trans-1,2-DCE	1.3	0.5	Ref 92: Pg. 25-26, 90, 133-135
				PCE	0.11 * (ND)	0.5	Ref 92: Pg. 25-26, 90, 133-135
WV-MW-14	E5AX2 DL	Water	10/29/14	VC	810 J+ (81)	25	Ref 92: Pg. 27-28, 90, 136-138
				Cis-1,2-DCE	69	25	Ref 92: Pg. 27-28, 90, 136-138
WV-MW-2B	E5AX3	Water	10/30/14	Trans-1,2-DCE	0.90	0.5	Ref 92: Pg. 29-30, 90, 139-141
WV-MW-2B	E5AX3 RE	Water	10/30/14	VC	8.2 J+ (0.82)	0.5	Ref 92: Pg. 31-32, 90, 142
				Cis-1,2-DCE	16	0.5	Ref 92: Pg. 31-32, 90, 142-144
WV-MW-2B-Dup	E5AX4	Water	10/30/14	VC	7.3	0.5	Ref 92: Pg. 33-34, 90, 145-147
				Trans-1,2-DCE	0.85	0.5	Ref 92: Pg. 33-34, 90, 145-147
				Cis-1,2-DCE	13	0.5	Ref 92: Pg. 33-34, 90, 145-147
WV-MW-2C	E5AX5	Water	10/30/14	VC	5.4	0.5	Ref 92: Pg.35-36, 90, 148-150
				Cis-1,2-DCE	0.83	0.5	Ref 92: Pg. 35-36, 90, 148-150
WV-TB-02	E5AX6	Water	10/30/14	All Target VOCs	ND	10	Ref 92: Pg. 37-38, 90, 151-152
WV-MW-1A	E5AY1	Water	10/30/14	VC	0.19 * (ND)	0.5	Ref 92: Pg. 39-40, 91, 154-156

EPA LOCATION	EPA CLP#	Sample Type	Date	Hazardous Substance	Hazardous Substance Concentration (Adjusted Concentration) µg/L	Contract Required Quantitation Limit (CRQL) µg/L	Reference
WV-MW-1B	E5AY2 DL	Water	10/30/14	VC	32J+(3.2)	2.5	Ref 92: Pg. 43-44, 91, 160-162
WV-MW-1B DUP	E5AY3	Water	10/30/14	Carbon Tet	0.87	0.5	Ref 92: Pg. 49-50, 91, 167-169
WV-MW-1B Dup	E5AY3 DL	Water	10/30/14	VC	30J+(3.0)	2.5	Ref 92: Pg. 51-52, 91, 170-172
WV-MW-1C	E5AY4	Water	10/30/14	VC Carbon Tet	12J+ (1.2) 0.87	0.5 0.5	Ref 92: Pg. 53-54, 91, 173-175 Ref 92: Pg. 53-54, 91, 173-175
WV-TB-03	E5AY5	Water	10/31/14	All Target VOCs	ND	10	Ref 92: Pg. 57-58, 91, 179-181
FlowCell	E5AY6	Water	10/31/14	All Target VOCs	ND	10	Ref 92: Pg. 59-60, 91, 183-184
Pump	E5AY7	Water	10/31/14	All Target VOCs	ND	10	Ref 92: Pg. 61-62, 91, 185-187
TapeMeas	E5AY8	Water	10/31/14	All Target VOCs	ND	10	Ref 92: Pg. 63-64, 91, 188-190
WV-FB-01	E5AY9	Water	10/31/14	All Target VOCs	ND	10	Ref 92: Pg. 65-66, 91, 191-193
WV-FB-02	E5AZ0	Water	10/31/14	All Target VOCs	ND	10	Ref 92: Pg. 67-68, 91, 194-196
WV-AQ-01	E5AZ1 DL	Water	10/31/14	VC Cis-1,2-DCE Chloroform	6.9 J+ (0.69) 21 J+ (2.1) 0.40 * (ND)	2.5 2.5 2.5	Ref 92: Pg. 71-72, 91, 200-202 Ref 92: Pg. 71-72, 91, 200-202 Ref 92: Pg. 71-72, 91, 200-202

*- Samples have analytes concentrations below the quantitation limit (CRQL) and detected compounds are qualified as J values. Detection below the CRQL is treated as non-quantifiable for HRS purposes. Result was adjusted to "Non-Detect" (ND) using the procedure described in EPA 540-F-94-028, Using Qualified Data to Document an Observed Release and Observed Contamination, November 1996.

J+- Sample E5AY4 vinyl chloride was analyzed after a sample with a compound exceeding the calibration range and no intervening instrument blank. Detections of these compounds are estimated with unknown bias (as they may be results of or supplemented by carryover) and adjusted according to procedures described in EPA 540-F-94-028, Using Qualified Data to Document an Observed Release and Observed Contamination, November 1996.

J- - Sample E5AX1 was analyzed outside the holding time and results are estimated with a low bias. Results for release samples require no adjustment according to procedures

described in EPA 540-F-94-028, Using Qualified Data to Document an Observed Release and Observed Contamination, November 1996.

J+- Surrogate recoveries were out of control, high in samples E5AX1, E5AX2DL, E5AX3RE, E5AY2DL, E5AY3DL, and E5AZ1DL and associated compounds are qualified bias high. Results were adjusted according to procedures described in EPA 540-F-94-028, *Using Qualified Data to Document an Observed Release and Observed Contamination*, November 1996.

RE- Results from rerun of sample E5AX3

DL - Concentrations exceeded the instrument's calibration range. Samples were reanalyzed using dilution factor and the results and CRQL are reported from diluted analysis.

**West Vermont Street WATER SDG E5AS8 TABLE FOR ALL Detected
CHLORINATED COMPOUNDS**

EPA LOCATION	EPA CLP#	Sample Type	Date	Hazardous Substance	Hazardous Substance Concentrati on (Adjusted Concentrati on) µg/L	Contract Required Quantitation Limit (CRQL) µg/L	Reference
WV-MW-3B	E5AS8 RE	Water	10/21/14	VC	8.0	0.5	Ref 90: Pg. 16- 17, 35, 64-66
WV-MW-10	E5AW6	Water	10/21/14	All Target VOCs	ND	0.5	Ref 90: Pg. 18- 19, 36, 67-69

RE-Results from rerun of sample E5AS8

**West Vermont Street WATER SDG E5AT4 TABLE FOR ALL Detected
CHLORINATED COMPOUNDS**

EPA LOCATION	EPA CLP#	Sample Type	Date	Hazardous Substance	Hazardous Substance Concentrati on (Adjusted Concentrati on) µg/L	Contract Required Quantitation Limit (CRQL) µg/L	Reference
WV-MW-6A	E5AT4	Water	10/23/14	VC	47 J+ (4.7)	0.5	Ref 91: Pg. 8- 9, 23, 47-49

J+ – Vinyl Chloride exceeded calibration range and sample was not reanalyzed. Result is estimated with an unknown bias and adjusted according to described in EPA 540-F-94-028, Using Qualified Data to Document an Observed Release and Observed Contamination, November 1996.

**West Vermont Street WATER SDG E5AS4 TABLE FOR ALL Detected
CHLORINATED COMPOUNDS**

EPA LOCATION	EPA CLP#	Sample Type	Date	Hazardous Substance	Hazardous Substance Concentration (Adjusted Concentration) µg/L	Contract Required Quantitation Limit (CRQL) µg/L	Reference
WV-RES-4018WVS	E5AS4	Water	10/17/14	VC Cis-1,2-DCE	4.9J- (4.9) 0.13 * (ND)	0.5 0.5	Ref 89: Pg. 11-12, 92, 140-142 Ref 89: Pg. 11-12, 92, 140-142
WV-RES-4020COS	E5AS5	Water	10/17/14	All Target VOCs	ND	0.5	Ref 89: Pg. 17-18, 92, 147-149
WV-RES-4012COS	E5AS6 RE	Water	10/17/14	VC	1.4J- (1.4)	0.5	Ref 89: Pg. 21-22, 92, 153-156
WV-RES-4012COS-DUP	E5AS7	Water	10/17/14	VC	4.8J- (4.8)	0.5	Ref 89: Pg. 23-24, 92, 156-158
WV-MW-3A	E5AS9	Water	10/21/14	VC Cis-1,3-dichloropropene Trans-1,3-dichloropropene	1.7 0.3 * (ND) 0.18 * (ND)	0.5 0.5 0.5	Ref 89: Pg. 25-26, 93, 159-161 Ref 89: Pg. 25-26, 93, 159-161 Ref 89: Pg. 25-26, 93, 159-161
WV-MW-7A	E5AT0	Water	10/21/14	VC	18	0.5	Ref 89: Pg. 29-30, 93, 165-167
WV-MW-5A	E5AT1	Water	10/22/14	1,1,1-TCA	0.21 * (ND)	0.5	Ref 89: Pg. 31-32, 93, 168-170
WV-MW-5B	E5AT2	Water	10/22/14	Cis-1,2-DCE	0.15 * (ND)	0.5	Ref 89: Pg. 33-34, 93, 171-173
WV-MW-5C	E5AT3	Water	10/22/14	VC	13	0.5	Ref 89: Pg.35-36, 93, 174-176
WV-MW-6A	E5AT5 DL	Water	10/23/14	VC	41	2.5	Ref 89: Pg. 37-38, 93, 177-179
WV-MW-6B	E5AT6 DL	Water	10/23/14	VC	67	5.0	Ref 89: Pg. 41-42, 92, 183-185
WV-MW-9A	E5AT7	Water	10/23/14	Trans-1,2-DCE Cis-1,2-DCE	0.14 * (ND) 4.8	0.5 0.5	Ref 89: Pg. 45-46, 93, 189-191 Ref 89: Pg. 45-46, 93, 189-191
WV-MW-9A	E5AT7 DL	Water	10/23/14	VC	170	10	Ref 89: Pg. 47-48, 93, 192-194
WV-MW-9B	E5AT8 DL	Water	10/23/14	VC	37	2.5	Ref 89: Pg.51-52, 94, 198-200
WV-MW-13	E5AT9	Water	10/23/14	All Target VOCs	ND	0.5	Ref 89: Pg. 53-54, 94, 201-203
WV-MW-12	E5AW0	Water	10/23/14	All Target VOCs	ND	0.5	Re 89: Pg. 55-56, 94, 204-206

EPA LOCATION	EPA CLP#	Sample Type	Date	Hazardous Substance	Hazardous Substance Concentration (Adjusted Concentration) µg/L	Contract Required Quantitation Limit (CRQL) µg/L	Reference
WV-MW-16	E5AW1	Water	10/23/14	VC	0.78* (ND)	2.5	Ref 89: Pg. 57-58, 94, 207-209
				Trans-1,2-DCE	8.8	2.5	Ref 89: Pg. 57-58, 94, 207-209
				Cis-1,2-DCE	57	2.5	Ref 89: Pg. 57-58, 94, 207-209
WV-MW-16	E5AW1 DL	Water	10/23/14	TCE	670	25	Ref 89: Pg. 59-60, 94, 210-212
WV-MW-17	E5AW2	Water	10/23/14	1,1-DCA	1.4	0.5	Ref 89: Pg. 61-62, 94, 213-215
				Trans-1,2-DCE	6.4	0.5	Ref 89: Pg. 61-62, 94, 213-215
				PCE	0.43* (ND)	0.5	Ref 89: Pg. 61-62, 94, 213-215
WV-MW-17	E5AW2 DL	Water	10/23/14	Cis-1,2-DCE	29	5	Ref 89: Pg. 63-64, 94, 216 - 218
				TCE	100	5	Ref 89: Pg. 63-63, 94, 216-218
WV-MW-8A	E5AW3	Water	10/24/14	VC	19J- (19)	2.5	Ref 89: Pg. 65-66, 95, 219 - 221
				Trans-1,2-DCE	2* (ND)	2.5	Ref 89: Pg. 65-66, 95, 219 - 221
WV-MW-8A	E5AW3 DL	Water	10/24/14	Cis-1,2-DCE	290J- (290)	25	Ref 89: Pg. 67-68, 95, 222 - 224
WV-MW-8B	E5AW4	Water	10/24/14	Chloromethane	0.059* (ND)	0.5	Ref 89: Pg. 69-70, 95, 225-227
				VC	1.4 J-(1.4)	0.5	Ref 89: Pg. 69-70, 95, 225-227
				Trans-1,2-DCE	0.38 * (ND)	0.5	Ref 89: Pg. 69-70, 92, 225-227
				Cis-1,2-DCE	17 J- (17)	0.5	Ref 89: Pg. 69-70, 95, 225-227
WV-MW-11	E5AW5	Water	10/24/14	All Target VOCs	ND	0.5	Ref 89: Pg. 71-72, 95, 228-230

*- Samples have analyte concentrations below the quantitation limit (CRQL) and detected compounds are qualified as J values. Detection below the CRQL is treated as non-quantifiable for HRS purposes. Result was adjusted to "Non-Detect" (ND) using the procedure described in EPA 540-F-94-028, Using Qualified Data to Document an Observed Release and Observed Contamination, November 1996.

J- - Sample was analyzed outside the holding time and result is estimated with a low bias. Results for release samples require no adjustment according to procedures described in EPA 540-F-94-028, Using Qualified Data to Document an Observed Release and Observed Contamination, November 1996.

J-- Surrogate recoveries were out of control, low in sample E5AS6RE and associated compounds are qualified bias low. Results required no adjustment according to procedures described in EPA 540-F-94-028, Using Qualified Data to Document an Observed Release and Observed Contamination, November 1996.

RE- Results from rerun of sample E5AS6

DL – Concentrations exceeded the instrument's calibration range. Samples were reanalyzed using dilution factor and the results and CRQL are reported from diluted analysis.

West Vermont Street SDG E5AZ2 GROUNDWATER BACKGROUND CHLORINATED COMPOUND CONCENTRATIONS

EPA LOCATION	EPA CLP#	Sample Type	Date	Hazardous Substance **	Hazardous Substance Concentration (Adjusted Concentration) µg/L	Contract Required Quantitation Limit (CRQL) µg/L	Reference
BUJ-0068	E5AZ2	Water	11/26/14	VC	ND	0.5	Ref 94: Pg. 6-7, 31, 46-48
				Trans-1,2-DCE	ND	0.5	Ref 94: Pg. 6-7, 31, 46-48
				Cis-1,2-DCE	ND	0.5	Ref 94: Pg. 6-7, 31, 46-48
				TCE	0.37 * (ND)	0.5	Ref 94: Pg. 6-7, 31, 46-48
				PCE	ND	0.5	Ref 94: Pg. 6-7, 31, 46-48
				Chloroform	2.9	0.5	Ref 94: Pg. 6-7, 31, 46-48
				1,1-DCA	ND	0.5	Ref 94: Pg. 6-7, 31, 46-48
				1,1,1-TCA	ND	0.5	Ref 94: Pg. 6-7, 31, 46-48
				Chloromethane	ND	0.5	Ref 94: Pg. 6-7, 31, 46-48
				Carbon Tet	ND	0.5	Ref 94: Pg. 6-7, 31, 46-48
				Cis-1,3-dichloropropene	ND	0.5	Ref 94: Pg. 6-7, 31, 46-48
				Trans -1,3-dichloropropene	ND	0.5	Ref 94: Pg. 6-7, 31, 46-48
BUJ-0069	E5AZ3	Water	11/26/14	VC	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66
				Trans-1,2-DCE	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66

EPA LOCATION	EPA CLP#	Sample Type	Date	Hazardous Substance **	Hazardous Substance Concentration (Adjusted Concentration) µg/L	Contract Required Quantitation Limit (CRQL) µg/L	Reference
				Cis-1,2-DCE	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66
				TCE	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66
				PCE	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66
				Chloroform	0.49 * (ND)	0.5	Ref 94: Pg. 8-9, 31, 64-66
				1,1-DCA	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66
				1,1,1-TCA	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66
				Chloromethane	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66
				Carbon Tet	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66
				Cis-1,3-dichloropropene	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66
				Trans-1,3-dichloropropene	ND	0.5	Ref 94: Pg. 8-9, 31, 64-66

*- Samples have analyte concentrations below the quantitation limit (CRQL) and detected compounds are qualified as J values. Detection below the CRQL is treated as non-quantifiable for HRS purposes. Result was adjusted to "Non-Detect" (ND) using the procedure described in EPA 540-F-94-028, *Using Qualified Data to Document an Observed Release and Observed Contamination*, November 1996

** - PCE, chloromethane, 1,1,1-trichloroethane, cis-1,3-dichloropropene, and trans-1,3-dichloropropene were not detected above the CRQL in the background or release samples and were not included in Key Findings. Chloroform was only detected in one background sample and was not included in Key Findings. Carbon tetrachloride was detected in two release samples, just above the CRQL and was not included in Key Findings.